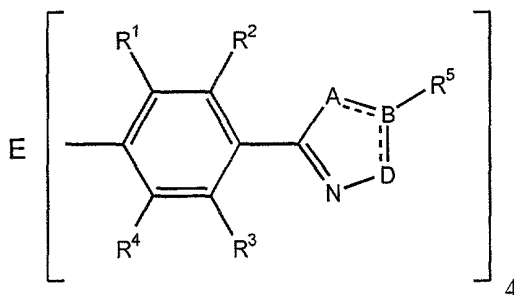


## ABSTRACT

A compound of the following formula is described.



10 In this compound, each of  $R^1$ - $R^4$  is, independently, H, substituted or unsubstituted  $C_{1-6}$  alkyl, OH,  $C_{1-6}$  alkoxy, or  $N(R^6)(R^7)$ , in which each of  $R^6$  and  $R^7$  is, independently, H or substituted or unsubstituted  $C_{1-6}$  alkyl. Alternatively, each of  $R^1$ - $R^4$  is, independently,  $NO_2$ , CN, or  $CO_2R^8$ , in which  $R^8$  is H or  $C_{1-6}$  alkyl.  $R^5$  is H, substituted or unsubstituted  $C_{1-6}$  alkyl, substituted or unsubstituted  $C_{2-6}$  alkenyl, substituted or unsubstituted  $C_{2-6}$  alkynyl, substituted or unsubstituted  $C_{6-20}$  aryl, substituted or unsubstituted alkylaryl, substituted or unsubstituted  $C_{4-20}$  heteroaryl,  $C_{10-20}$  diarylaminoaryl, or is absent, or B and D, together with  $R^5$  and  $R^{11}$ , are substituted or unsubstituted aryl. A is O, S, or  $N(R^9)$  in which  $R^9$  is absent, H, substituted or unsubstituted alkyl, or substituted or unsubstituted aryl. A can also be  $N=N$ , or  $N=C(R^{10})$  in which the C is adjacent to B and in which  $R^{10}$  is substituted or unsubstituted alkyl, or substituted or unsubstituted aryl. B is C or N; D is N, NH, or  $C(R^{11})$  in which  $R^{11}$  is substituted or unsubstituted alkyl, or substituted or unsubstituted aryl, or B and D, together with  $R^5$  and  $R^{11}$  are substituted or unsubstituted aryl; and E is C or Si.

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